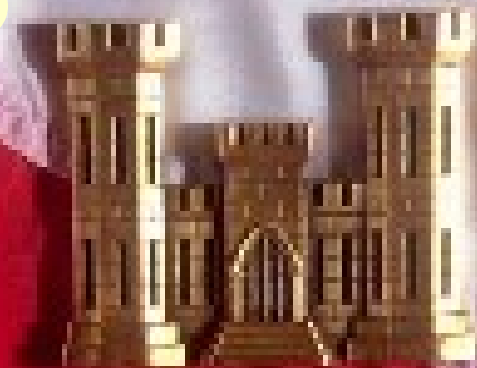


***Dam Safety Criteria for
Environmental
Restoration Dams
Designed and
Constructed by USACE,
and turned over to
Sponsors***

***Presentation
for the***

***Planning Community of
Practice Conference***

by





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Outline

Federal Definition of a Dam
Environmental Restoration Projects
Plan Formulation and Dam Safety
Concerns
The Way Ahead
Questions/Discussion



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Federal Definition of a Dam

Any artificial barrier that exceeds six feet in height and impounds water with a maximum storage capacity greater than 50 acre-feet is subject to all Federal regulations and guidelines of a dam.

*-The National Dam Safety Program Act
PL 104-303, section 215*



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Flood Control Dam



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Environmental Restoration Projects

Section 1135 - Habitat Restoration

- “. . . project modifications in the structures and operations of Corps of Engineers projects for the purpose of improving the environment in the public interest . . . if such measures do not conflict with the authorized project purposes.

General Investigations

- Everglades

Section 206 Projects - Aquatic Ecosystem Restoration



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Environmental Restoration Projects



Lower Amazon Section 1135 Project
(Meadowlark Prairie)



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Plan Formulation and Dam Safety Concerns

Design Criteria
1135 Projects
Ownership



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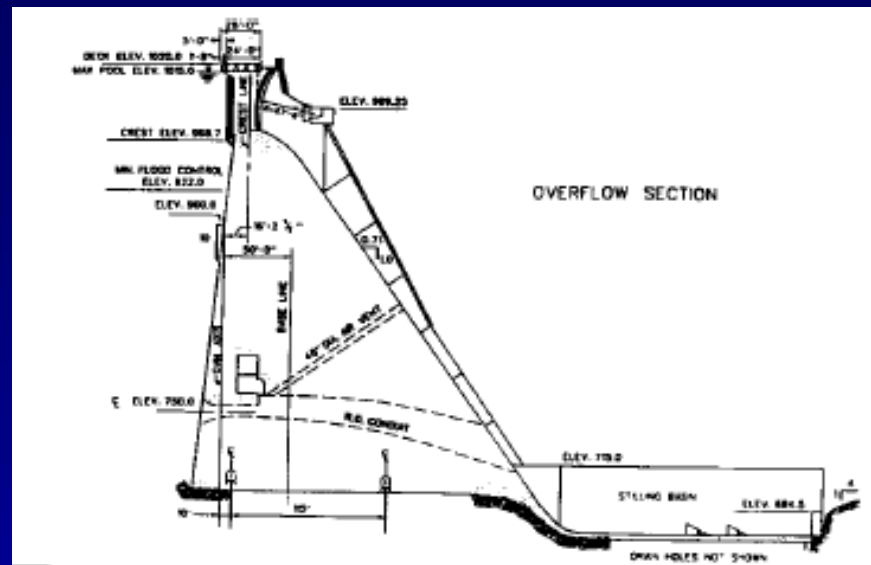
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Design Criteria

Design Guidance for Environmental Structures

- Hazard level determination specifies design criteria.
- Criteria were developed primarily for flood control and hydropower dams.



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Design Criteria

Should the criteria be the same for environmental projects?



Ed Pastor Kino Environmental Restoration Project
Jennifer Jones

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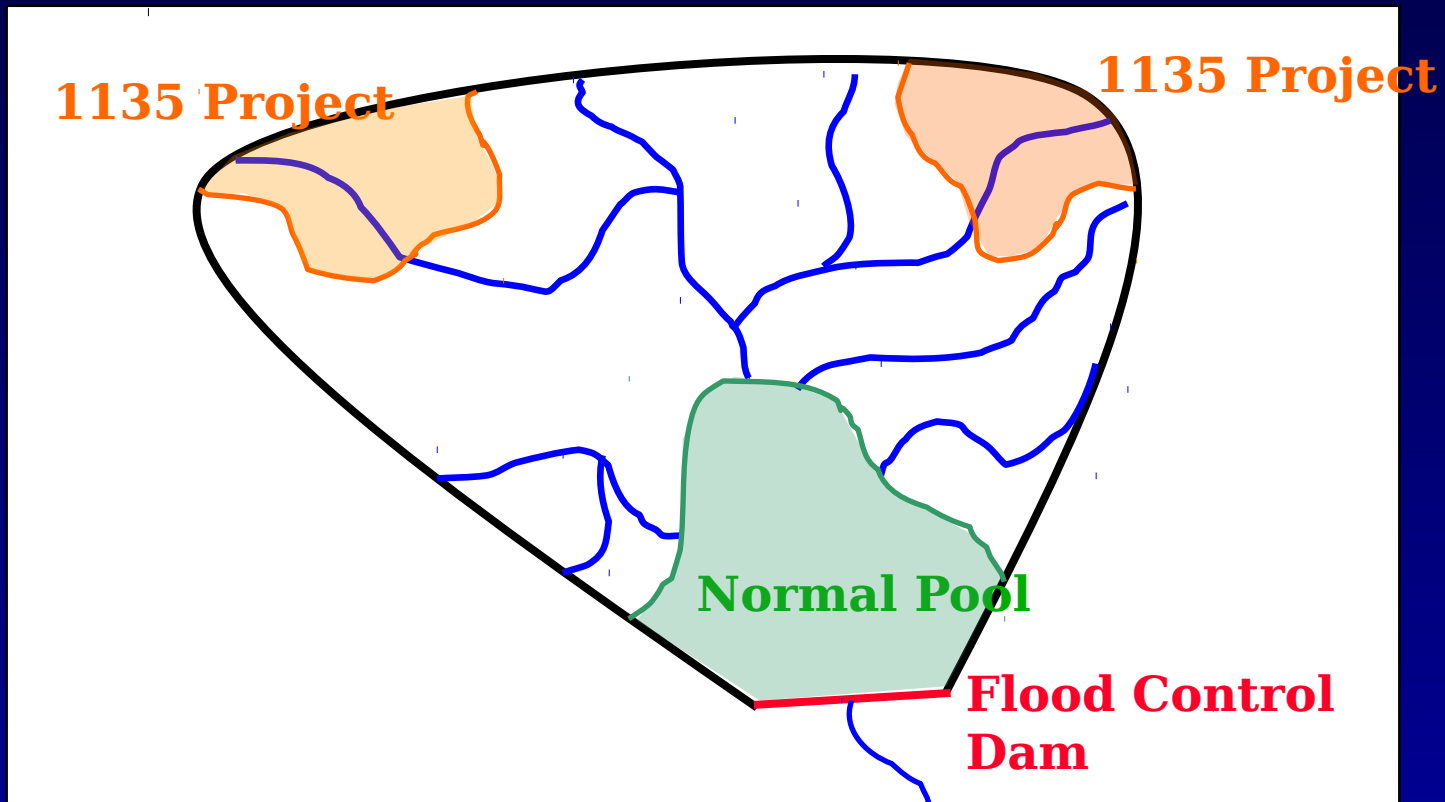


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1135 Projects

**1135 projects cannot conflict with
the original project purposes.**



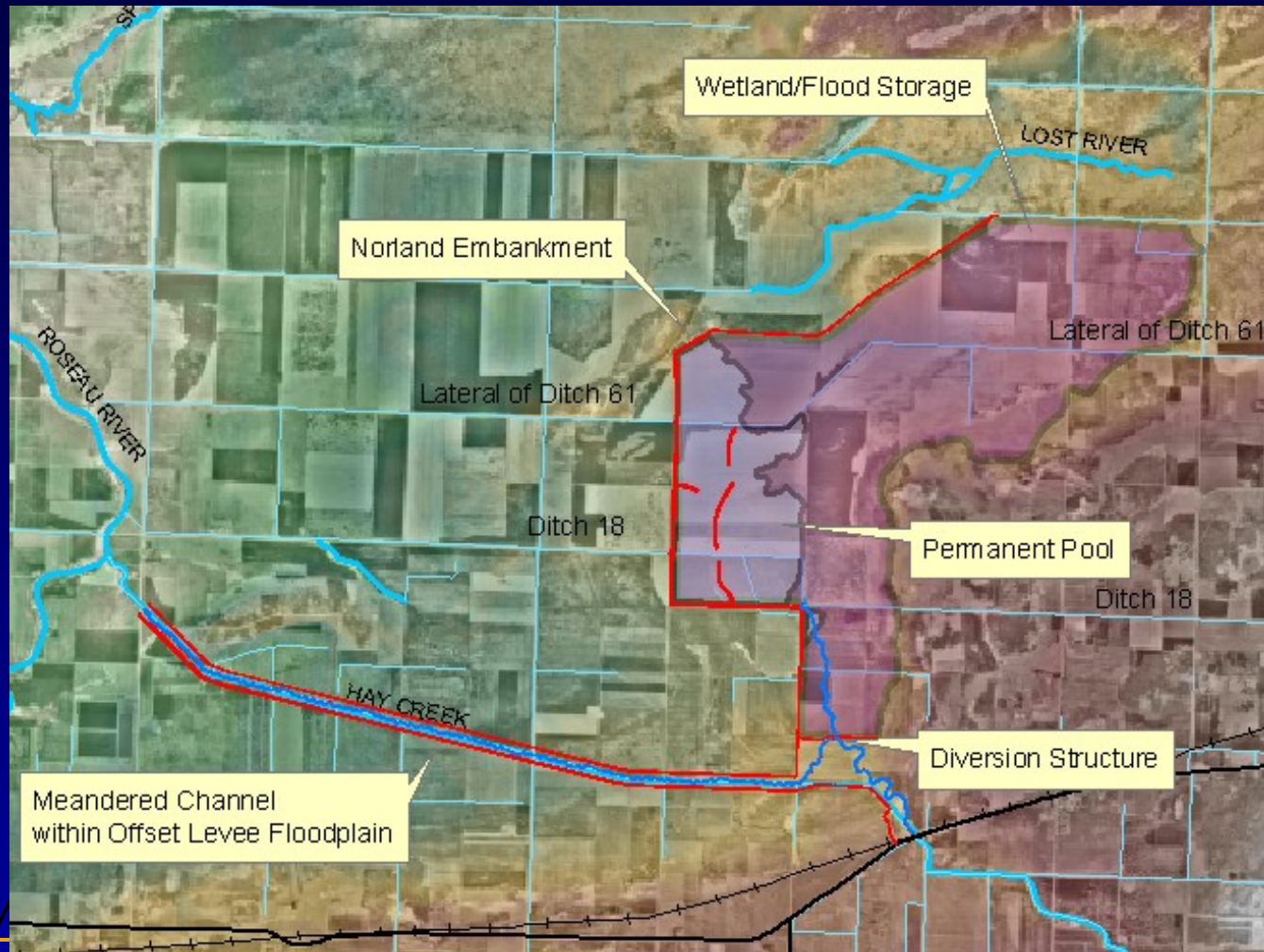


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206 Projects

Downstream Concerns Must Be

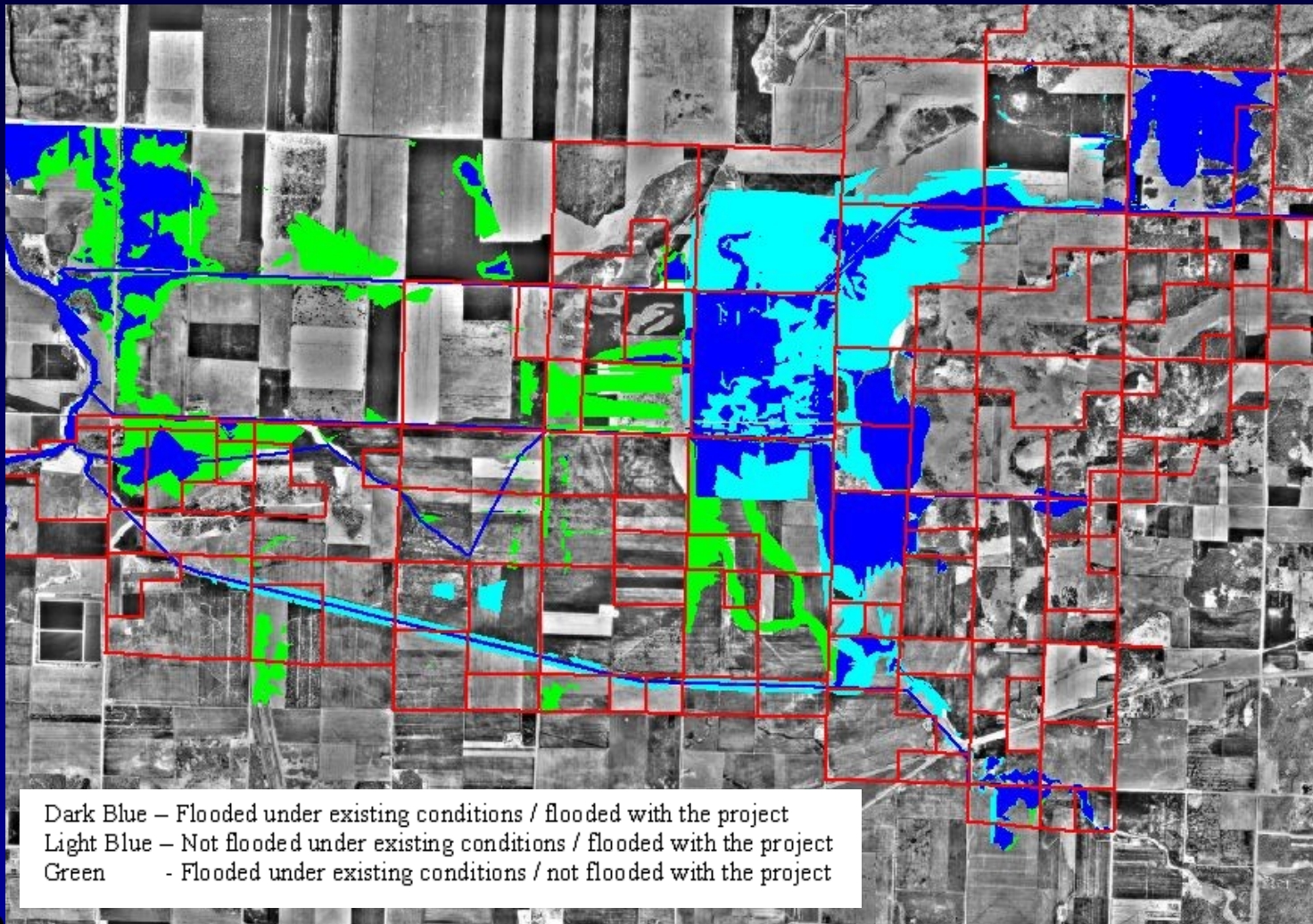




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Hay Creek



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Ownership

The owner of the structure is responsible for operation and maintenance.

Do our agreements adequately address dam safety maintenance and inspections?

- PCA
- MOA
- Corps Owned



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Way Ahead

**Planning and Project Management
and E&C need to be in the loop.**

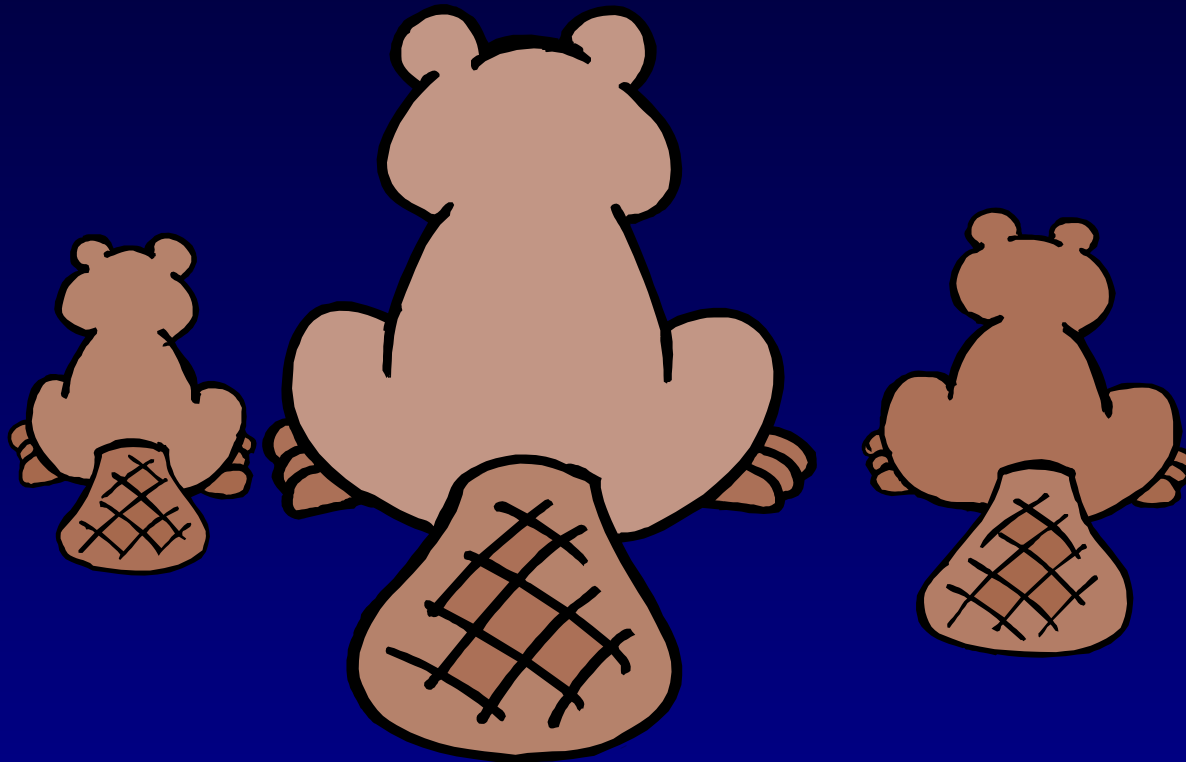
**Design Criteria and Guidance needs
to be reviewed for adequacy with
regard to environmental projects.**





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Discussion/Questions



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